## SEQUENCE LISTING

| <110>                            | Osborne,<br>Ramesh, N                     |       |       |      |      |      |      |      |     |      |   |   |                |       |
|----------------------------------|---|-------|-------|------|------|------|------|------|-----|------|---|---|----------------|-------|
| <120>                            | Composit                                  | ions  | and   | Meth | ods  | for  | Trea | ting | Dia | bete | s |   |                |       |
| <130>                            | P-UW 3570                                 | )     |       |      |      |      |      |      |     |      |   |   |                |       |
|                                  | 09/323,73<br>1999-06-0                    |       |       |      |      |      |      |      |     |      |   |   |                |       |
|                                  | 60/087,66<br>1998-06-0                    |       |       |      |      |      |      |      |     |      |   |   |                |       |
|                                  | 09/185,85<br>1998-11-0                    |       |       |      |      |      |      |      |     |      |   |   |                |       |
| <160>                            | 11  |       |       |      |      |      |      |      |     |      |   |   |                |       |
| <170>                            | PatentIn                                  | Ver.  | 2.0   |      |      |      |      |      |     |      |   |   |                |       |
| <220><br><221><br><222><br><400> | 450<br>DNA<br>Homo sapi<br>CDS<br>(45)(37 | 7)    |       |      |      |      |      |      |     |      |   |   |                | F. C. |
| getgea                           | tcag aaga                                 | ggcca | at ca | aagc | acat | c ac | tgtc | cttc | tgc | Met  |   |   | g tgg<br>u Trp | 56    |
|                                  | c ctc ctg<br>g Leu Leu                    |       |       |      | _    | _    | _    | _    |     |      |   |   | -              | 104   |
|                                  | c gca gcc<br>a Ala Ala                    |       |       |      |      |      | _    | _    |     |      |   | _ |                | 152   |
|                                  | t ctc tac<br>a Leu Tyr<br>40              |       |       |      |      |      |      |      |     |      |   |   |                | 200   |

| Lys Thr Arg<br>55   | cgg gag<br>Arg Glu                 |                                       |                      |                                |                             |  |                               |                         |                                | 248 |
|---|------------------------------------|---------------------------------------|----------------------|--------------------------------|-----------------------------|--|-------------------------------|-------------------------|--------------------------------|-----|
| ggc ggg ggc<br>Gly Gly Gly<br>70                                    |                                    |                                       | Ser L                |                                | Pro L                       |  |                               |                         |                                | 296 |
| tcc ctg cag<br>Ser Leu Gln<br>85                                    |                                    |                                       |                      |                                |                             |  |                               |                         |                                | 344 |
| tcc ctc tac<br>Ser Leu Tyr  |                                    |                                       |                      |                                | tag a                       | cgcagco                                | eg c                          | aggc                    | agccc                          | 397 |
| cccacccgcc  | gcctcctg                           | ca ccgag                              | agaga                | tggaata                        | aag c                       | ccttgaa                                | .cc a                         | gc                      |                                | 450 |
| <210> 2<br><211> 110<br><212> PRT<br><213> Homo                     | sapiens                            |                                       |                      |                                |                             |  |                               |                         |                                |     |
|   |                                    |                                       |                      |                                |                             |  |                               |                         |                                |     |
| <400> 2   | Mar Mat                            | 7) T                                  | I D                  | ) T                            | T 7                         | ] - T                                  | T                             | 7. T                    | T                              |     |
| <400> 2<br>Met Ala Leu<br>1   | Trp Met                            | Arg Leu                               | Leu P                | Pro Leu                        | Leu A                       | la Leu                                 | Leu i                         | Ala<br>15               | Leu                            |     |
| Met Ala Leu   | 5                                  |                                       | Ala P                | 10                             |                             |  |                               | 15                      |                                |     |
| Met Ala Leu<br>1  | Asp Pro<br>20                      | Ala Ala                               | Ala P                | 10<br>Phe Val<br>25            | Asn G                       | ln His                                 | Leu (<br>30                   | 15<br>Cys               | Gly                            |     |
| Met Ala Leu  1 Trp Gly Pro  Ser His Leu                             | Asp Pro<br>20<br>Val Glu           | Ala Ala                               | Ala P<br>Tyr L<br>40 | 10<br>Phe Val<br>25<br>Leu Val | Asn G<br>Cys G<br>Glu A     | ln His<br>ly Glu<br>45                 | Leu (<br>30<br>Arg (          | 15<br>Cys<br>Gly        | Gly<br>Phe                     |     |
| Met Ala Leu 1 Trp Gly Pro Ser His Leu 35 Phe Tyr Thr                | Asp Pro 20 Val Glu Pro Lys         | Ala Leu<br>Thr Arg                    | Ala P Tyr L 40 Arg G | 10<br>Phe Val<br>25<br>Leu Val | Asn G.<br>Cys G.<br>Glu A.  | ln His<br>ly Glu<br>45<br>sp Leu<br>60 | Leu (<br>30<br>Arg (          | 15<br>Cys<br>Gly<br>Val | Gly<br>Phe<br>Gly              |     |
| Met Ala Leu 1 Trp Gly Pro Ser His Leu 35 Phe Tyr Thr 50 Gln Val Glu | Asp Pro 20 Val Glu Pro Lys Leu Gly | Ala Ala Ala Leu Thr Arg 55 Gly Gly 70 | Ala P Tyr L 40 Arg G | 10 Phe Val 25 Leu Val Glu Ala  | Asn G. Cys G. Glu A. Gly Se | ln His ly Glu 45 sp Leu 60 er Leu      | Leu (<br>30<br>Arg (<br>Gln ) | 15<br>Cys<br>Gly<br>Val | Gly<br>Phe<br>Gly<br>Leu<br>80 |     |

<210> 3

```
<211> 63
<212> DNA
<213> Homo sapiens
<220>
<221> CDS
<222> (1)..(63)
<400> 3
ggc att gtg gaa caa tgc tgt acc agc atc tgc tcc ctc tac cag ctg
                                                                    48
Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
                                      10
                                                                    63
gag aac tac tgc aac
Glu Asn Tyr Cys Asn
             20
<210> 4
<211> 21
<212> PRT
<213> Homo sapiens
<400> 4
Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln Leu
                                                           15
                                      10
  1
Glu Asn Tyr Cys Asn
             20
<210> 5
<211> 90
<212> DNA
<213> Homo sapiens
<220>
<221> CDS
<222> (1)..(90)
<400> 5
ttt gtg aac caa cac ctg tgc ggc tca cac ctg gtg gaa gct ctc tac
                                                                     48
Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
                   5
                                       10
  1
                                                                     90
cta gtg tgc ggg gaa cga ggc ttc ttc tac aca ccc aag acc
Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr
                                   25
              20
```

```
<210> 6
 <211> 30
 <212> PRT
 <213> Homo sapiens
 <400> 6
 Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
                   5
                                       10
                                                           15
Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr
              20
                                   25
<210> 7
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<221> SITE
<222> (2)
<223> any amino acid
<220>
<221> SITE
<222> (3)
<223> lysine or arginine or any amino acid (Lys/Arg/Xaa)
<220>
<223> Description of Artificial Sequence: Consensus
      Sequence
<400> 7
Arg Xaa Xaa Arg
  1
<210> 8
<211> 4
<212> PRT
<213> Artificial Sequence
<220>
<221> SITE
<222> (2)
<223> any amino acid
```

```
<220>
<221> SITE
<222> (3)
<223> Lysine or Arginine (Lys/Arg)
<220>
<223> Description of Artificial Sequence: Consensus
      Sequence
<400> 8
Arg Xaa Xaa Arg
 1
<210> 9
<211> 5
<212> PRT
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: Consensus
      Sequence
<400> 9
Asp Asp Asp Lys
 1
<210> 10
<211> 4
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Consensus
      Sequence
<400> 10
Ile Glu Gly Arg
  1
<210> 11
<211> 4
<212> PRT
<213> Artificial Sequence
```